INTERNATIONAL SEARCH REPORT

Intern: al Application No PCT/GB2005/000968

		101, 422017		
A. CLASSII IPC 7	FIGATION OF SUBJECT MATTER F16L11/08 F16L11/24 F16L55/10	645		
According to	International Patent Classification (IPC) or to both national classificat	ion and IPC		
B. FIELDS				
Minimum do IPC 7	cumentation searched (classification system followed by classification F16L	n symbols)		
Documentat	ion searched other than minimum documentation to the extent that su	ch documents are included in the fields search	ned	
Electronic da	ata base consulted during the international search (name of data base	e and, where practical, search terms used)		
EPO-In	ternal			
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.	
Х	US 3 428 507 A (ERIC BALL) 18 February 1969 (1969-02-18) column 1, lines 25-27 - column 4, 42,43; figure 5	lines	1-12	
Х	US 3 957 085 A (BALL ET AL) 18 May 1976 (1976-05-18) columns 1-2, lines 54-20; figure	1	1-12	
Х	GB 2 303 574 A (* DUNLOP LIMITED; FLUIDHANDLING GROUP LIMITED) 26 February 1997 (1997-02-26) figures 2-4	* HIFLEX	1-12	
Х	WO 03/014613 A (NOVALINER TECHNOL INC; PARE, PIERRE) 20 February 2003 (2003-02-20) claims 20-22,24	OGIES	13-16, 22-24	
Furti	her documents are listed in the continuation of box C.	X Patent family members are listed in an	nnex.	
"A" docume	ategories of cited documents: ent defining the general state of the art which is not be of particular relevance	"T" later document published after the interna or priority date and not in conflict with the cited to understand the principle or theory	application but	
"E" earlier of filing of	document but published on or after the International	invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
which citatio	is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the clain cannot be considered to involve an Inven- document is combined with one or more	ned invention live step when the other such docu-	
"P" docum	means ent published prior to the international filling date but han the priority date claimed	ments, such combination being obvious to in the art. *&* document member of the same patent fam		
Date of the	actual completion of the international search	Date of mailing of the international search	report	
27 September 2005		1 5. 11. 05		
Name and	mailing address of the ISA	Authorized officer		
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Dauvergne, B		

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ional application No. PCT/GB2005/000968

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. X As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: 1-24
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

A composite lining for a pipe comprising: a structural layer for providing structural integrity; and a containment layer for providing fluid impermeability; wherein, the structural layer comprises at least one strip of lining material arranged to form a substantially continuous lining within said pipe.

2. claims: 13-24

A method of lining a pipe comprising: lining said pipe with a structural layer for providing structural integrity; and lining said pipe with a containment layer for providing fluid impermeability; wherein, lining said pipe with a structural layer comprises arranging said structural layer to form a substantially continuous lining within said pipe.

3. claim: 25

A test structure for testing the fluid impermeability of a tubular containment layer of a composite lining according to any of claims 2 to 11 comprising: a seam along a longitudinal length of said containment layer, the seam comprising at least two substantially parallel seamed regions; and a conduit formed between said seamed regions.

4. claim: 26

A method for testing the fluid impermeability of a tubular containment layer of a composite lining according to any of claims 2 to 11 comprising: providing said containment layer with a seam along a longitudinal length of said containment layer, the seam comprising at least two substantially parallel seamed regions; and a conduit formed between said seamed regions; pressurising said conduit with a fluid; determining if said fluid is leaking from either of said parallel seamed regions.

5. claim: 27

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

An apparatus for providing a loosely twisted helical strip of lining material for lining a pipe, the apparatus comprising:a base portion; and coil support means rotatably mounted on said base portion for supporting a coil of said lining material and for allowing a strip of said lining material to be dispensed from said coil; the coil support means being rotatable in a controlled manner relative to said base portion for inducing helical twists in said strip of lining material.

6. claim: 32

An apparatus for helically lining a pipe with a strip of lining material, the apparatus comprising: winding rig comprising helical winding means; said helical winding means being configured for helically winding said strip into a helically wound lining layer for lining an inside surface either of said pipe or of a previously laid lining layer

7. claim: 37

An apparatus for lining a pipe with a tubular containment layer.

8. claim: 39

A welding apparatus.

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Information on patent family members

Intern | Application No PCT/GB2005/000968

	ent document in search report		Publication date		Patent family member(s)	Publication date
US	3428507	Α	18-02-1969	BE	664164 A	16-09-1965
				DE	1475569 Al	16-01-1969
				DK	128296 B	01-04-1974
				ES	313103 A1	16-12-1965
				FR	1442583 A	05-10-1966
				GB	1033547 A	22-06-1966
				NL	6506378 A	22-11-1965
				SE	329527 B	12-10-1970
US	3957085	Α	18-05-1976	NONE		
GB	 2303574	A	26-02-1997	 AU	6526096 A	18-02-1997
				CA	2200736 A1	06-02-1997
				EP	07825 0 2 A1	09-07-1997
				WO	9703815 A1	06-02-1997
WO	03014613	<u>-</u>	20-02-2003	CA	2451390 A1	20-02-2003